## Claims

1. An access unit which accesses a record medium, the record medium including a user area for recording user data which is recorded and regenerated based on an instruction given by a user, comprising:

a recording means for recording test data based on a predetermined test condition in the user area;

a reading means for reading the test data recorded in the user area by the recording means; and

an adjusting means for referring to the test data read by the reading means, and adjusting an access parameter for accessing the record medium.

- 2. The access unit according to claim 1, further comprising a registering means for registering a test-record area in which the test data is recorded within the user area.
- 3. The access unit according to claim 2, wherein the registering means registers the test-record area as a defective area.
- 4. The access unit according to claim 1, wherein the recording means records the test data in a position which is a predetermined distance apart in the radius directions of the record medium from a position in which user data is

recorded within the user area.

- 5. The access unit according to claim 4, wherein the recording means begins recording the test data from a position which is a predetermined distance apart in the radius directions of the record medium from a position in which user data finishes being recorded within the user area, and begins recording user data from a position which is a predetermined distance apart in the radius directions of the record medium from a position in which the test data finishes being recorded.
- 6. The access unit according to claim 5, further comprising a registering means for registering, as a defective area, a test-record area in which the test data is recorded within the user area, an area from a position in which user data finishes being recorded to a position in which the test data begins being recorded, and an area from a position in which the test data finishes being recorded to a position in which user data begins being recorded.
- 7. The access unit according to claim 4, wherein the recording means: begins recording the test data from a position which is a predetermined distance apart in the radius directions of the record medium from a position in which user data finishes being recorded within the user area; executes a return from a position in which the test data finishes being recorded

to the position in which the user data finishes being recorded; records user data up to the position in which the test data begins being recorded; executes a movement from the position in which the test data begins being recorded to the position in which the test data finishes being recorded; and begins recording user data from the position in which the test data finishes being recorded.

- 8. The access unit according to claim 4, wherein the recording means: begins recording the test data from a position which is a predetermined distance apart in the radius directions of the record medium from a position in which user data finishes being recorded within the user area; executes a return from a position in which the test data finishes being recorded to the position in which the user data finishes being recorded; and begins recording user data from the position in which the user data finishes being recorded.
- 9. The access unit according to claim 1, wherein:

the reading means reads user data which is already recorded in the user area;

a record-state detecting means is further provided for detecting a record state of the user data read by the reading means; and

the recording means records the test data in the user area, based on a record state which is detected by the

record-state detecting means.

- 10. The access unit according to claim 9, wherein the record-state detecting means detects at least one of a jitter value, an asymmetry value, an error rate and an M-index of the user data read by the reading means.
- 11. The access unit according to claim 1, wherein the recording means records the test data in a track adjacent to the user data.
- 12. An access method for accessing a record medium, the record medium including a user area for recording user data which is recorded and regenerated based on an instruction given by a user, including:
- a recording step of recording test data based on a predetermined test condition in the user area;
- a reading step of reading the test data recorded in the user area in the recording step; and
- an adjusting step of referring to the test data read in the reading step, and adjusting an access parameter for accessing the record medium.
- 13. An access program for accessing a record medium, the record medium including a user area for recording user data which is recorded and regenerated based on an instruction

given by a user, allowing,

an access unit which includes a recording means for recording data in a record medium and a reading means for reading data from a record medium, to function as:

arecordinstructing means for instructing the recording means to record test data based on a predetermined test condition in the user area;

a read instructing means for instructing the reading means to read the test data recorded in the user area by the recording means; and

an adjusting means for referring to the test data read by the reading means, and adjusting an access parameter for accessing the record medium.

14. A control unit which controls an access unit, the access unit including a recording means for recording data in a record medium and a reading means for reading data from a record medium, the record medium including a user area for recording user data which is recorded and regenerated based on an instruction given by a user, comprising:

arecordinstructing means for instructing the recording means to record test data based on a predetermined test condition in the user area;

a read instructing means for instructing the reading means to read the test data recorded in the user area by the recording means; and

an adjusting means for referring to the test data read by the reading means, and adjusting an access parameter for accessing the record medium.